

Child Proofing Your Home Network



Cautionary Tale

- Stanley Mark Rifkin and the Security Pacific National Bank

Moral Hazards

- People tend to take more risks when they feel safe and secure.
- Hazards To Avoid
 - Monitor Your Child's Activities
 - Keep Computer in High Traffic Area
 - Be Involved
 - Involve Your Kids
 - Ignorance Is Not An Excuse

Locking Down Your Computer

- Administrative Access
 - Passwords
- Parental Controls
 - Time Limits
 - Game Ratings
 - Block Programs

Filtering

- Parental Control Software
- Hardware Filtering
- DNS (Cloud Based) Filtering

Parental Control Software

- Best in Class (PC Mag)
 - BSecure, Net Nanny, Safe Eyes
- Benefits
 - Superior Filtering
 - Per User Settings
- Drawbacks
 - \$\$\$
 - Performance
 - Multiple Computers / Devices

Hardware Controls

- Best in Class
 - NETBLOX, Netgear Life Parental controls
- Benefits
 - Tough To Crack
 - Performance
 - Whole House Protection
- Drawbacks
 - \$\$\$
 - No User Level Settings
 - Firmware Upgrades

DNS Filtering

- Domain Name System
- Best in Class
 - OpenDNS
- Benefits
 - Tough To Crack
 - Performance, Performance, Performance
 - Free / Ease of Use
- Drawbacks
 - No User Level Settings
 - Slightly Inferior Filtering Compared to Software Filters

Open DNS Settings

OpenDNS.com

Dashboard

Community

OpenDNS / dashboard

HOME

STATS

SETTINGS

SHORTCUTS

MY ACCOUNT

SUPPORT

TELL A FRIEND

Upgrade to OpenDNS Deluxe to get more control over which sites are accessible on your home network, store your stats for a full year, remove advertisements and more. Only \$9.95 per household/per year.

Settings for:

Dynamic IP addresses

OpenDNS supports networks ranging from single IP addresses, dynamic or static, on up to /16. [Learn more](#) about dynamic IPs.


Network verification


For individual IP addresses, verification is self-service, if you can click on a link from the network IP address. Networks larger than a single IP address are verified by OpenDNS employees reviewing account info and public records (like whois).

Support Articles

- What is a dynamic IP address?



Add a network

IP: . . . 

Settings: 

ADD THIS NETWORK

Your networks

LABEL	IP	STATS
Home	76.201.153.147	 

DELETE

Keep your network's IP up-to-date with our free software. Available for [Windows](#) and [Mac OS X](#).

Content Filtering

Web Content Filtering

[Security](#)

[Customization](#)

[Stats and Logs](#)

[Advanced Settings](#)

Users can contact you

Your users can contact you directly from the block page if they have questions. It'll show up as an email in your inbox.

Note about DNS forwarding

If you are forwarding requests to OpenDNS, domain blocking may not work properly if the domain's address is in your forwarder's cache.

Check a domain

[Find out](#) whether it would be blocked, and why.

Support Articles

- [Blocked domain still available](#)
- [Domains that may not be blocked with OpenDNS domain blocking](#)

Web Content Filtering

Choose your filtering level

- High** Protects against all adult-related sites, illegal activity, social networking sites, video sharing sites, and general time-wasters. 26 categories in this group - [View](#) - [Customize](#)
- Moderate** Protects against all adult-related sites and illegal activity. 13 categories in this group - [View](#) - [Customize](#)
- Low** Protects against pornography. 4 categories in this group - [View](#) - [Customize](#)
- None** Nothing blocked.
- Custom** Choose the categories you want to block.

- | | | |
|---|---|---|
| <input type="checkbox"/> Academic Fraud | <input checked="" type="checkbox"/> Adult Themes | <input checked="" type="checkbox"/> Adware |
| <input checked="" type="checkbox"/> Alcohol | <input type="checkbox"/> Auctions | <input type="checkbox"/> Automotive |
| <input type="checkbox"/> Blogs | <input type="checkbox"/> Business Services | <input checked="" type="checkbox"/> Chat |
| <input checked="" type="checkbox"/> Classifieds | <input checked="" type="checkbox"/> Dating | <input checked="" type="checkbox"/> Drugs |
| <input type="checkbox"/> Ecommerce/Shopping | <input type="checkbox"/> Educational Institutions | <input checked="" type="checkbox"/> File storage |
| <input type="checkbox"/> Financial institutions | <input checked="" type="checkbox"/> Forums/Message boards | <input checked="" type="checkbox"/> Gambling |
| <input checked="" type="checkbox"/> Games | <input type="checkbox"/> German Youth Protection | <input type="checkbox"/> Government |
| <input checked="" type="checkbox"/> Hate/Discrimination | <input type="checkbox"/> Health | <input type="checkbox"/> Humor |
| <input checked="" type="checkbox"/> Instant messaging | <input type="checkbox"/> Jobs/Employment | <input checked="" type="checkbox"/> Lingerie/Bikini |
| <input type="checkbox"/> Movies | <input type="checkbox"/> Music | <input type="checkbox"/> News/Media |
| <input type="checkbox"/> Non-profits | <input checked="" type="checkbox"/> Nudity | <input checked="" type="checkbox"/> P2P/File sharing |
| <input type="checkbox"/> Parked Domains | <input checked="" type="checkbox"/> Photo sharing | <input type="checkbox"/> Podcasts |
| <input type="checkbox"/> Politics | <input checked="" type="checkbox"/> Pornography | <input type="checkbox"/> Portals |
| <input checked="" type="checkbox"/> Proxy/Anonymizer | <input type="checkbox"/> Radio | <input type="checkbox"/> Religious |
| <input type="checkbox"/> Research/Reference | <input type="checkbox"/> Search engines | <input checked="" type="checkbox"/> Sexuality |
| <input checked="" type="checkbox"/> Social networking | <input type="checkbox"/> Software/Technology | <input type="checkbox"/> Sports |
| <input checked="" type="checkbox"/> Tasteless | <input type="checkbox"/> Television | <input type="checkbox"/> Tobacco |
| <input type="checkbox"/> Travel | <input checked="" type="checkbox"/> Video sharing | <input checked="" type="checkbox"/> Visual search engines |
| <input checked="" type="checkbox"/> Weapons | <input checked="" type="checkbox"/> Webmail | |

Looking for [security categories](#)?

Router Password

LINKSYS[®]
A Division of Cisco Systems, Inc.

Firmware Version: v4.21.1

Wireless-G Broadband Router

WRT54G

Administration

Setup

Wireless

Security

Access
Restrictions

Applications
& Gaming

Administration

Status

Management

Log

Diagnostics

Factory Defaults

Firmware Upgrade

Config Management

Router Password

Local Router Access

Router Password:

Re-enter to confirm:

Web Access

Access Server: HTTP HTTPS

Wireless Access Web: Enable Disable

Remote Router Access

Remote Management: Enable Disable

Management Port:

Use https:

UPnP

UPnP: Enable Disable

Local Router Access : You can change the Router's password from here. Enter a new Router password and then type it again in the Re-enter to confirm field to confirm.

Web Access : Allows you to configure access options to the router's web utility.
[More...](#)

Remote Router Access : Allows you to access your router remotely. Choose the port you would like to use. You must change the password to the router if it is still using its default password.

UPnP : Used by certain programs to automatically open ports for communication.
[More...](#)

Save Settings

Cancel Changes

CISCO SYSTEMS


Wireless Password

LINKSYS[®]
A Division of Cisco Systems, Inc.

Firmware Version: v4.21.1

Wireless-G Broadband Router **WRT54G**

Wireless

Setup **Wireless** Security Access Restrictions Applications & Gaming Administration Status

Basic Wireless Settings | Wireless Security | Wireless MAC Filter | Advanced Wireless Settings

Wireless Security

Security Mode: WPA2 Personal ▾

WPA Algorithms: TKIP+AES ▾

WPA Shared Key:

Group Key Renewal: 3600 seconds

Security Mode : You may choose from Disable, WEP, WPA Pre-Shared Key, WPA RADIUS, or RADIUS. All devices on your network must use the same security mode in order to communicate.
[More...](#)

Save Settings Cancel Changes

CISCO SYSTEMS

DNS Settings

LINKSYS[®]
A Division of Cisco Systems, Inc.

Firmware Version: v4.21.1

Wireless-G Broadband Router

WRT54G

Setup

Setup

Wireless

Security

Access
Restrictions

Applications
& Gaming

Administration

Status

Basic Setup

DDNS

MAC Address Clone

Advanced Routing

Internet Setup

Internet Connection Type

Optional Settings
(required by some ISPs)

Automatic Configuration - DHCP ▾

Router Name:

Host Name:

Domain Name:

MTU: ▾

Size:

Automatic Configuration - DHCP : This setting is most commonly used by Cable operators.

Host Name : Enter the host name provided by your ISP.

Domain Name : Enter the domain name provided by your ISP.
More...

Network Setup

Router IP

Network Address
Server Settings (DHCP)

Local IP Address: . . .

Subnet Mask: . . . ▾

Local IP Address : This is the address of the router.

Subnet Mask : This is the subnet mask of the router.

DHCP Server: Enable Disable

Starting IP Address:

Maximum Number of DHCP Users:

Client Lease Time: minutes (0 means one day)

Static DNS 1: . . .

Static DNS 2: . . .

Static DNS 3: . . .

WINS: . . .

DHCP Server : Allows the router to manage your IP addresses.

Starting IP Address : The address you would like to start with.

Maximum number of DHCP Users : You may limit the number of addresses your router hands out.

Wrap Up

- Which Filtering System is Best for You
- Avoid Moral Hazards
- Don't Forget How Great Technology Can Be
- Questions